



Docket No. ALG10NP



Mail Label No. EF103846781US

12/31/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Sercel et al  
Filed: 02/16/2001  
App. No.: 09/788,301  
For: Resonant optical power control device assemblies

PRELIMINARY AMENDMENT UNDER 37 CFR §1.115

Assistant Commissioner for Patents  
Washington, DC 20231

07/30/2001

Sir:

Please amend the above named application as set forth below.

AMENDMENT

Please insert the following new claims.

13. In a resonant optical modulator assembly, the assembly comprising
- an alignment member,
  - a transmission optical waveguide adapted for transmitting therethrough an optical signal carried by a waveguide optical mode, the transmission optical waveguide being positioned on and secured to the alignment member and having an evanescent optical coupling segment,
  - an optical resonator for supporting at least one resonant optical mode, the optical resonator being positioned on and secured to the alignment member so as to be evanescently optically coupled to the transmission optical waveguide at the evanescent optical coupling segment thereof, and
  - an optical modulator for modulating, in response to an applied control signal, a coupling condition between the transmission optical waveguide and the optical resonator so as to controllably modulate a level of transmission through the transmission optical waveguide of the optical signal when the waveguide optical mode is substantially resonant with at least one of the resonant optical modes, the optical modulator being positioned so as to be evanescently optically coupled to the optical resonator,
- the improvement comprising:
- a waveguide-alignment groove provided in the alignment member for receiving the transmission optical waveguide therein; and